

**Work Order ID 81652****\*81652\***

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March-16-12 1:52:20 PM

Item ID: D4088-043      Accept      **\*N900040100\***      Setup Start **\*NS1\***  
Revision ID:      Stop **\*NS2\***  
Item Name: Shoulder Harness  
Start Date: 16/03/2012      Start Qty: 8.00      **\*8\***      Cust Item ID:  
Required Date: 30/03/2012      Req'd Qty: 8.00      **\*8\***      Customer:  
Reference:

Approvals:      Process Plan: MLJ      Date: 12/03/16      Tooling:      Date:      Run Start **\*NR1\***  
QC:      Date:      SPC (Y/N):      Date:      Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4088	A								

100

0.00

**\*100\***

Purchasing

Memo

0.00

Purchasing

Issue P/O: 16445  
Manufacture D4088-043 as per Dwg D4088  
Supplier: AMSAFE INC.  
Certificate of conformity is required

12-03-16

110

Receive &amp; Inspect for Damage &amp; Mat'l Certs

0.00

**\*110\***

Packaging

Memo

0.00

Packaging

16-03-16

120

QC6- Inspect dimensions to drawing

0.00

**\*120\***

QC

Memo

0.00

Quality Control

ensure buckle engages and dis-engages correctly for every unit.

5/2/17(X8)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 81652

**\*81652\***

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March-16-12 1:52:20 PM

Item ID: D4088-043 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Shoulder Harness  
Start Date: 16/03/2012 Start Qty: 8.00 **\*8\*** Cust Item ID:  
Required Date: 30/03/2012 Req'd Qty: 8.00 **\*8\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <b>ST062</b>	0.00							
<b>*130*</b>									
Packaging	Memo	0.00				<b>8x</b>			<b>SD</b>
Packaging									<b>12-5-17</b>
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							<b>12/5/17</b>
Quality Control									<b>MEF</b> <b>12-05-17</b>

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Work Order ID: 81652

**\*81652\***

Parent Item: D4088-043

**\*D4088-043\***

Parent Item Name: Shoulder Harness

Start Date: 16/03/2012

Required Date: 30/03/2012

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP REV:A NEW ISSUE DD 10.04.29 VERIFIED:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
3221-1-021-2396		Purchased	No			110	Each	0.0000	1	8			
<b>*3221-1-021-2396*</b>									<b>**</b>				
Shoulder Harness													

*[Handwritten Signature]*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

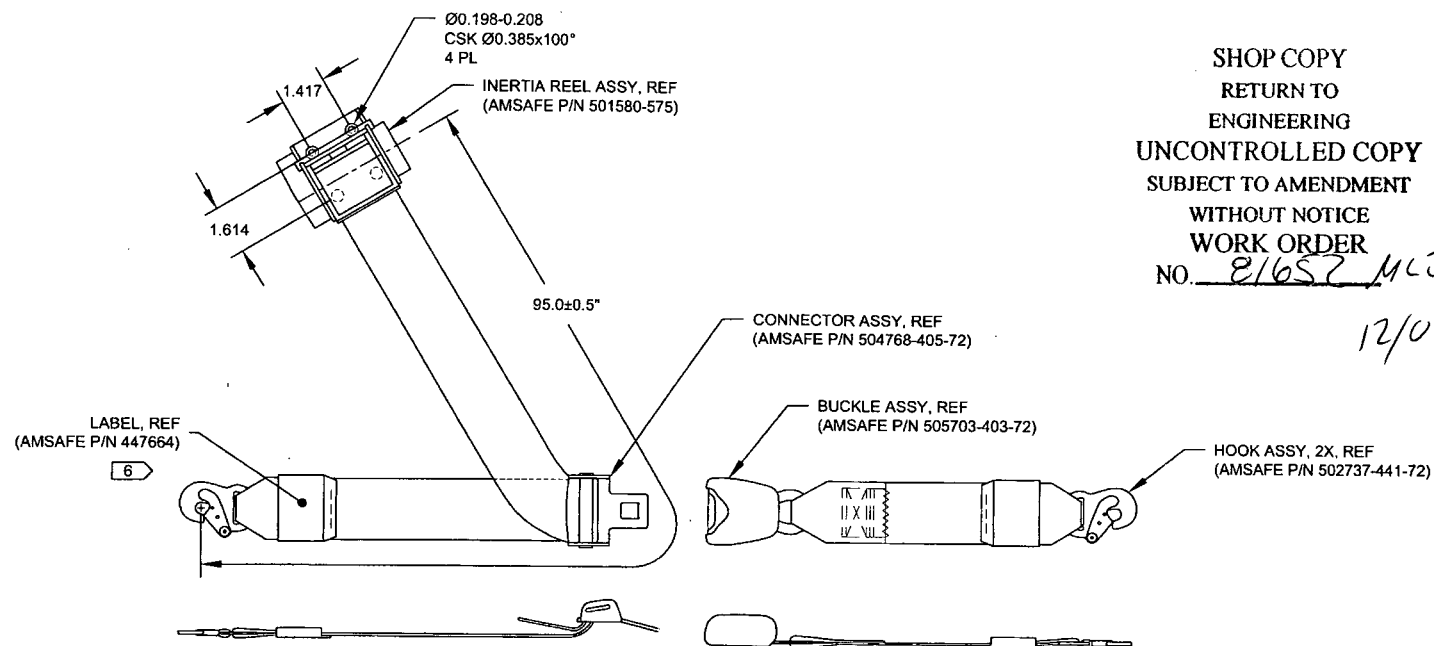
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# SPECIFICATION CONTROL DRAWING



## D4088-041 SHOUDLER HARNESS

### NOTES:

- 1) PURCHASE: AMSAFE INC. P/N 3221-1-011-2396  
3-POINT SHOULDER HARNESS WITH PUSH-BUTTON BUCKLE  
MEETS REQUIREMENTS OF TSO-C114  
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:  
PART NO. 3221-1-011-2396  
CUST P/N: D4088-041  
RATED: 3000 LBS DATE OF MFG  
CONFORMS TO TSO-C114
- 7) WEIGHT: 1.5 lbs

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 81657 MLJ

12/03/16

RELEASED  
2010-04-27

REV.	NEW ISSUE	DESCRIPTION	CP	10.03.16
DESIGN	99		BY	DATE
DRAWN	99			
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	10.03.16			

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. A  
D4088 SHEET 1 OF 2  
TITLE SCALE  
SHOULDER HARNESS NTS

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

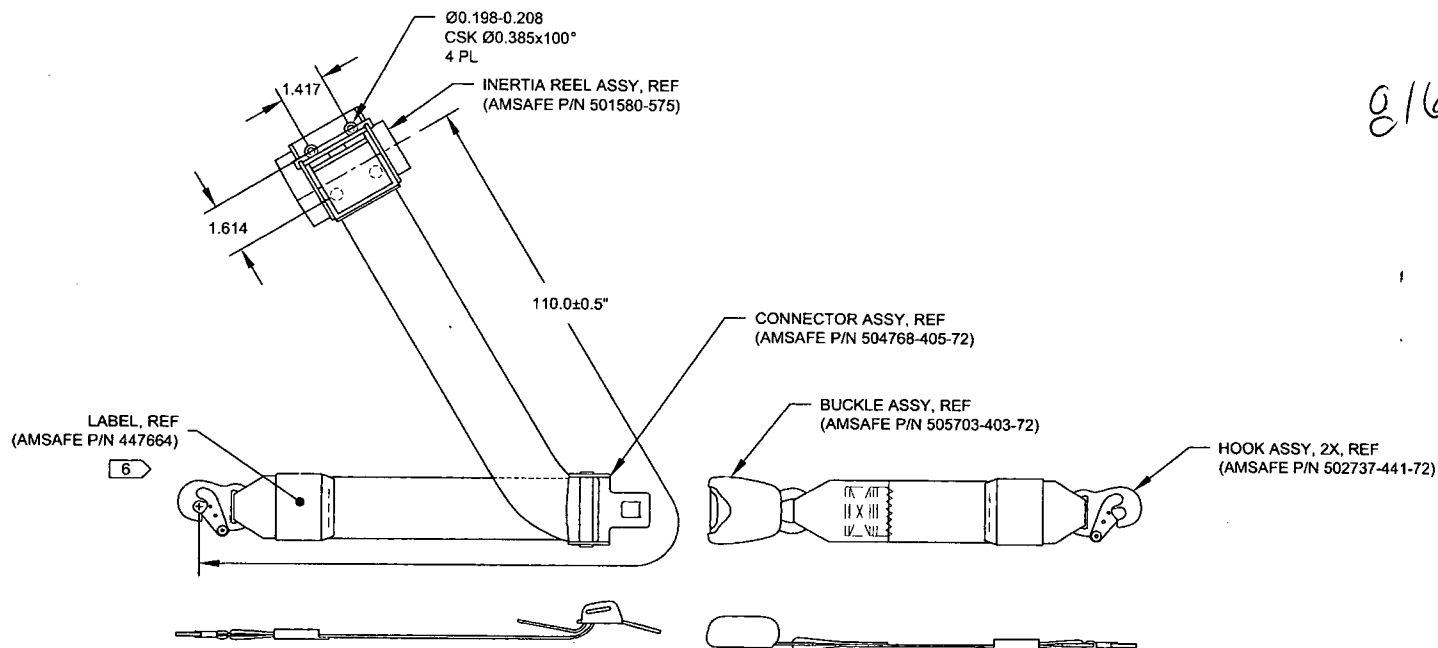
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# SPECIFICATION CONTROL DRAWING



## D4088-043 SHOULDER HARNESS

### NOTES:

- 1) PURCHASE: AMSAFE INC. P/N 3221-1-021-2396  
3-POINT SHOULDER HARNESS WITH PUSH-BUTTON BUCKLE  
MEETS REQUIREMENTS OF TSO-C114  
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:  
PART NO. 3221-1-021-2396  
CUST. P/N: D4088-043  
RATED: 3000 LBS DATE OF MFG  
CONFORMS TO TSO-C114
- 7) WEIGHT: 1.5 lbs

**RELEASED**  
2010-04-27

DESIGN	91	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	91		
CHECKED	91	DRAWING NO.	REV. A
MFG. APPR.		D4088	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		SHOULDER HARNESS	NTS
DATE	10.03.16	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

W/O:		WORK ORDER CHANGES					
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**NOTE:** Date & initial all entries

# AmSafe

1043 NORTH 47th AVENUE  
PHOENIX, AZ 85043  
PH (602)850-2850 FAX (602)850-2812

## SHIPPER/CERTIFICATION



CUSTOMER NO.
10006113

SALES ORDER NO.
S230208

BOL NO.
000265826

DATE PRINTED
05/15/12

PAGE NO.
1

DART AEROSPACE  
1270 ABERDEEN STREET  
HAWKESBURY  
ONTARIO, CANADA K6A 1K7  
Canada

DART AEROSPACE LTD.  
1270 ABERDEEN ST  
HAWKSBURY,, ON K6A 1K7  
Canada

Ship to ID: 10006125

CUSTOMER ORDER NO.
PO16465

TERMS
NET30

FREIGHT
COLLECT

SHIP VIA
FedEx Intl Priority

F.O.B.
ORIGIN

Sales Order Remarks: 1517-9324-0  
Remarks:

SHIPMENT REFERENCE 000265826

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
2	Cust. Item No.: D4088-041 3221-1-011-2396 REST SYS ASSY	DRAWING: 3221 REV: A CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S230208-2	2012-03-30 16.0	16 Expire Ref.	16	0
1	Cust. Item No.: D4088-043 3221-1-021-2396 REST SYS ASSY	DRAWING: 3221 REV: A CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S230208-1	2012-03-30 8.0	8 Expire Ref.	8	0

8/10/17

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):

FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature:

Printed Name: \_\_\_\_\_

MAY 15 2012  
Dated: \_\_\_\_/\_\_\_\_/\_\_\_\_

COUNTRY OF ORIGIN USA

1. Approving National Aviation Authority/Country:  FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</b>				3. Form Tracking Number:  S230208-1-NW	
4. Organization Name and Address:  AmSafe Aviation 1043 North 47th Avenue Phoenix, Arizona 85043		Cert. No. PT1967NM				5. Work order/Contract/Invoice Number: S230208 - 1 PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	REST SYS ASSY	3221-1-021-2396	N/A	8	A0412	NEW	
13. Remarks: Drawing: 3221 Rev: A TSO: TSO-C114							
EXPORT AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA							
14. Certifies the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation  <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13  Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: 		16. Approval/Authorization No.: ODA602112NM		20. Authorized Signature		21. Authorized/Certificate No.	
17. Name (typed or printed) Nancy Williamson		18. Date (m/d/y): MAY/15/2012		22. Names (typed or printed)		23. Date (m/d/y):	
<b>User/Installer Responsibilities</b>							
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>							